

Pilot Channel(s) Sync Channel

Paging Channel(s)

**Traffic Channels** 

Reverse Link

**Access Channel** 

Traffic Channel(s)

FIG. 2

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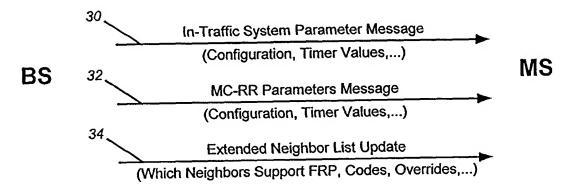


FIG. 3

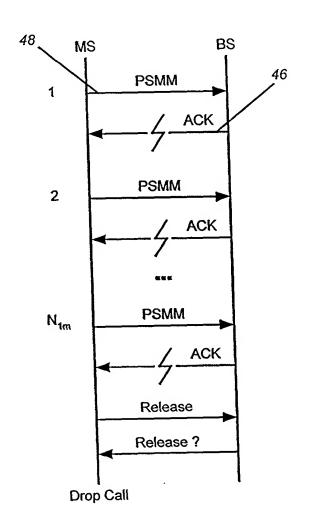
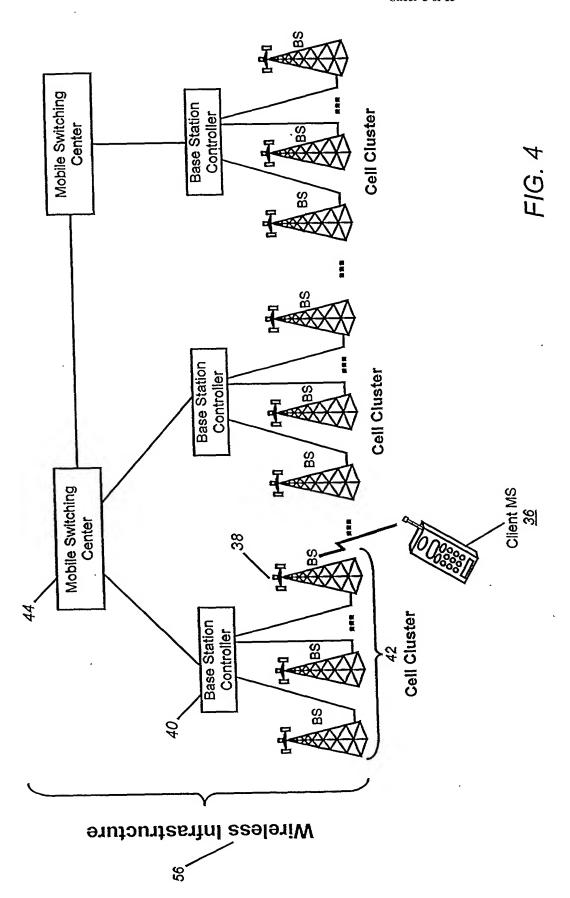


FIG. 5

Title: Minimum Interference Multiple-Access Method And System For

Connection Rescue

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Title: Minimum Interference Multiple-Access Method And System For

Connection Rescue

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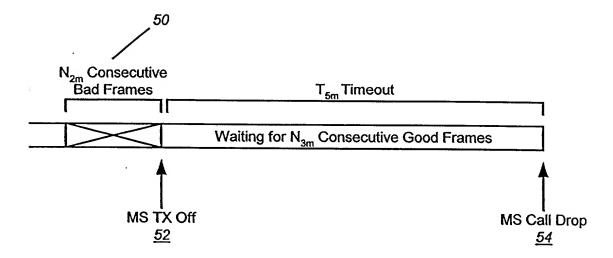


FIG. 6

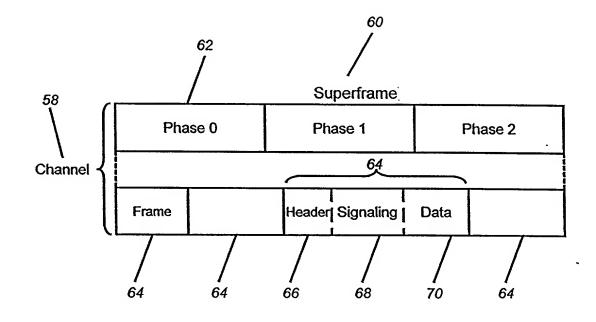


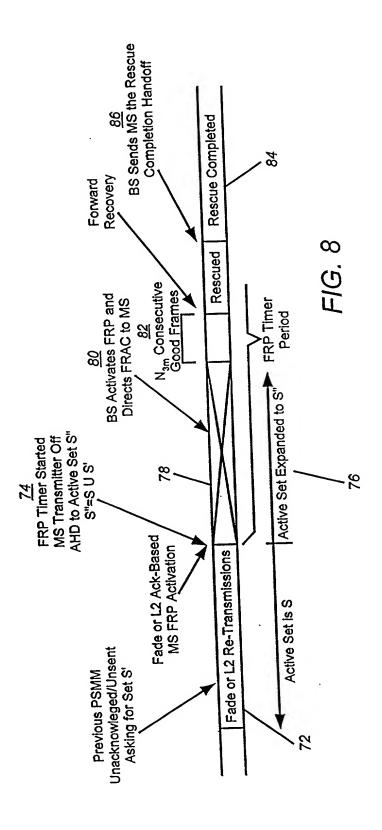
FIG. 7

Title: Minimum Interference Multiple-Access Method And System For Connection Rescue

Inventor: Jason F. HUNZINGER

Application No.: not yet assigned Docket No.: 440402000400

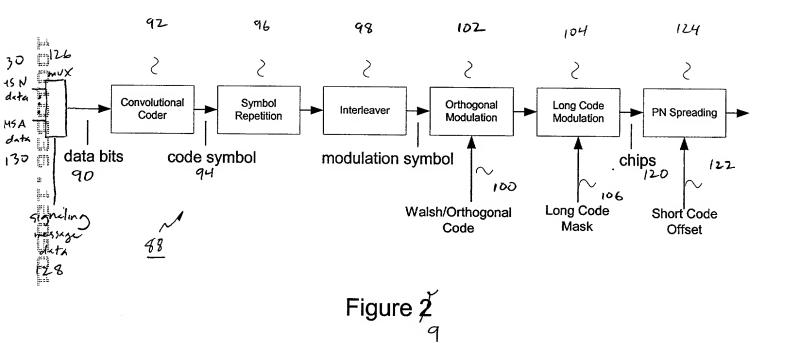
Sheet 5 of 13



'Title: Minimum Interference Multiple-Access Method And System For

Connection Rescue

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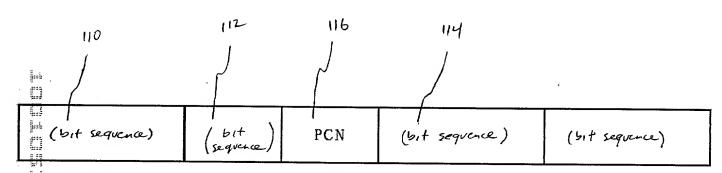


Title: Minimum Interference Multiple-Access Method And System For

Connection Rescue

Inventor: Jason F. HUNZINGER Application No.: not yet assigned Docket No.: 440402000400

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PCN - Paging Channel Number

Paging Channel Long Code Mask

FIG. 10

Title: Minimum Interference Multiple-Access Method And System For Connection Rescue

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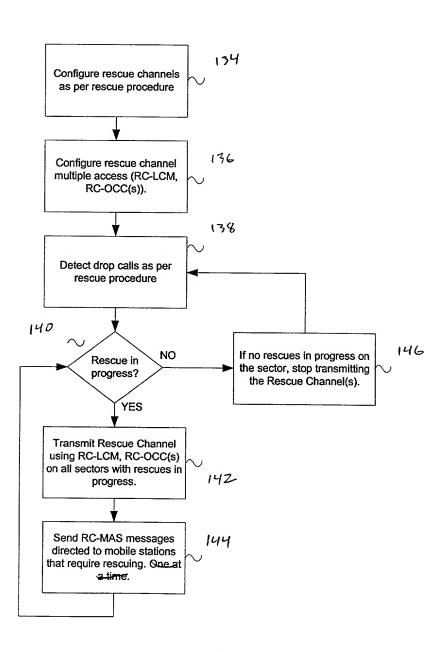
Field	Length (bits)
SIZE OF MOBILE ADDRESS	3
MOBILE COUNTRY CODE (MCC)	10
IMSI 11_12 (2 digit# based on IMSI)	7
IMSI_S (10 digit# based on IMSI)	34
USE_TIME	1
ACTION_TIME	0 or 6
SEQUENCE NUMBER	0 or X
SEARCH PARAMETERS INCLUDED	1
SEARCH PARAMETERS	0 or X
EXTRA PARAMETERS INCLUDED	1
EXTRA PARAMETERS	0 or X
FRAME_OFFSET	0 or 4
PRIVATE_LCM	0 or 1
RESET_L2	0 or 1
SERV_NEG_TYPE	0 or 1
POWER LEVELS	0 or X
BAND_CLASS	0 or 5
CDMA_FREQ	0 or 11
RETURN_IF_HANDOFF_FAIL	0 or 1
NUM_PILOTS	3

FIG. 11

Title: Minimum Interference Multiple-Access Method And System For

Connection Rescue

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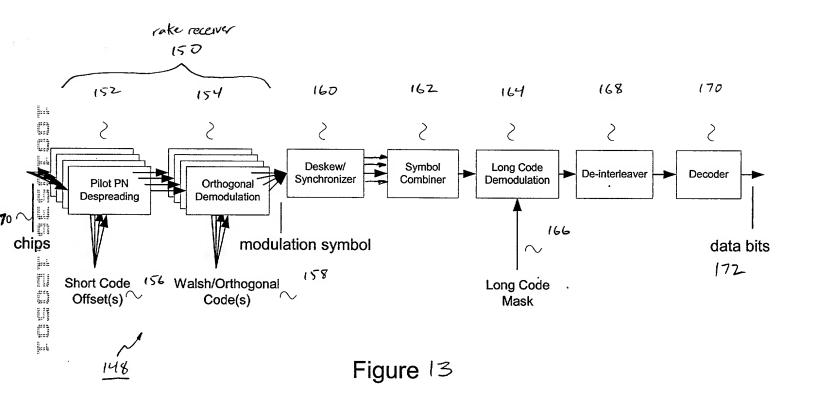
132

Figure 12

Title: Minimum Interference Multiple-Access Method And System For Connection Rescue

Inventor: Jason F. HUNZINGER Application No.: not yet assigned Docket No.: 440402000400

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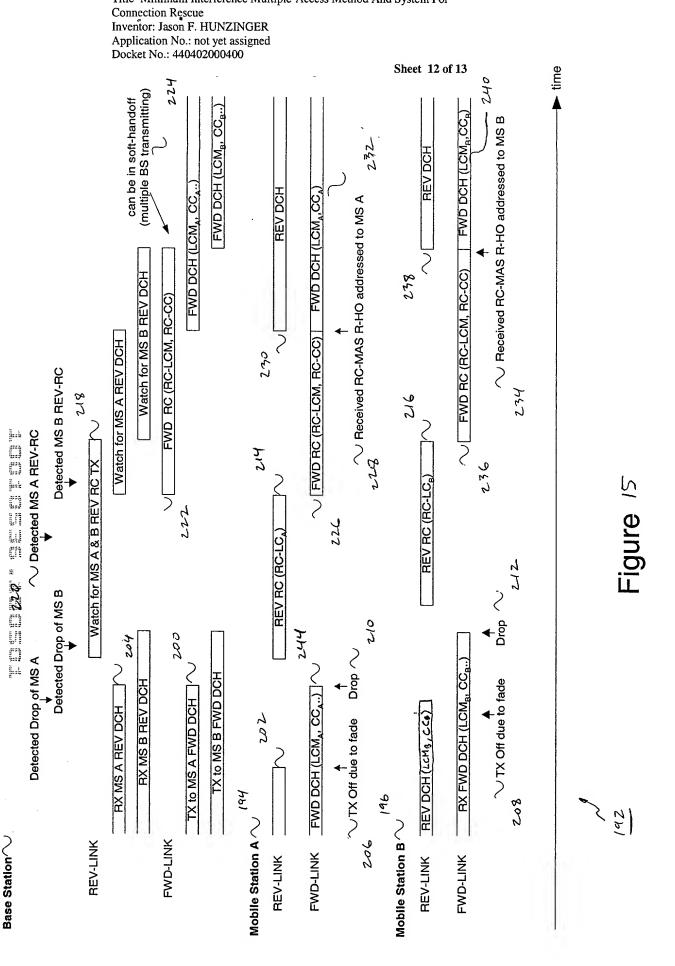


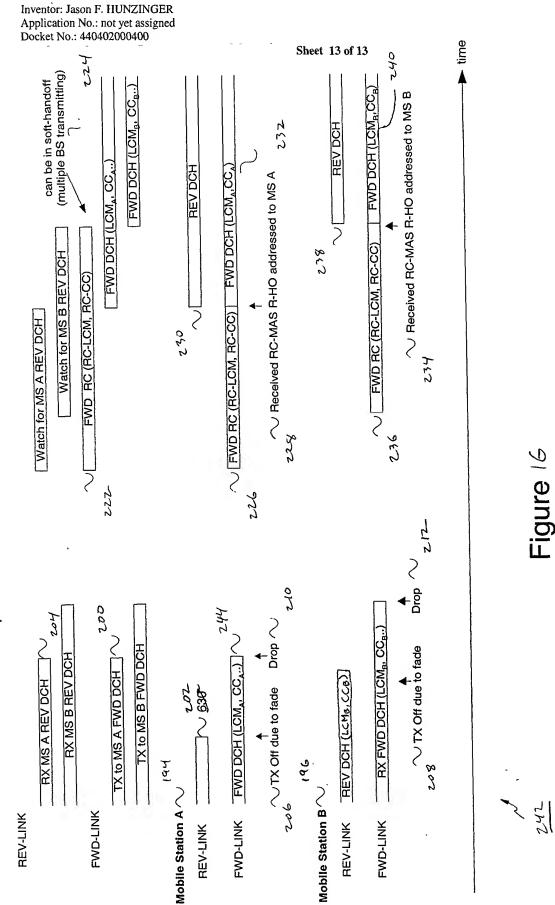
onnection Passes

Connection Rescue Inventor: Jason F. HUNZINGER Application No.: not yet assigned

Docket No.: 440402000400 Sheet 11 of 13 176 Initiate reverse-link based rescue transmission as per the rescue procedure 178 Set long-code mask to the assigned RC-LCM 180 Monitor forward-link rescue channels (in soft/softerhandoff) using the assigned RC-OCC(s). 182 NO 188 **RC-MAS** NO Rescue Message **Process** Received? Timed-out? YES YES 184 NO **RC-MAS** address match? YES 186 190 Perform handoff, set longcode mask to public or Tear down the call. private code, continue call.

Figure 14





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Connection Rescue

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Base Station  $\sim$ 

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Detected Drop of MS

Detected Drop of MS A

Figure 16